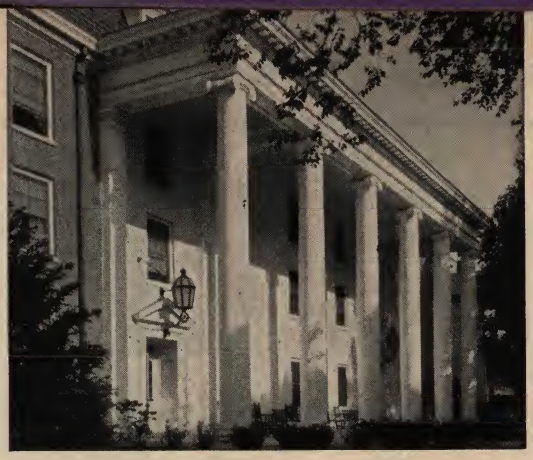


Ohio University, Voight Hall, Athens, Ohio, 6 detail 30″ x 28′, Potter, Tyler, Martin & Roth, Architects, Cincinnati, Ohio.

"White Columns," WSB Radio & T.V. Station, Atlanta, Georgia, 8 detail 32″ x 22′, Design and Construction, The Austin Company, Cleveland, Ohio.

SCHWERD

quality wood columns

Since 1860, the A. F. Schwerd Manufacturing Company has contributed wood columns to American Architecture. Schwerd wood columns are not only esthetically and mathematically correct, but their lasting durability is proved by the continued excellent condition of installations after years of exposure to the most severe climatic conditions. Our careful attention to detail has made "Schwerd Quality Columns" known throughout the industry.

why Schwerd columns are durable

Wood columns are constructed by gluing together wood staves. Our 97 years of experience in manufacturing wood columns has proven that the durability of a wood column depends upon the strength of the joint and the quality and thickness of the wood. The strength of a glued wood joint depends upon three major factors: The quality and strength of the glue; the area of the surfaces in contact; and sufficient pressure to force the glue into the wood and squeeze out all excess glue leaving no pockets of coagulated, uncompressed glue.

Schwerd column construction was developed to meet each specific requirement. The wood is the best quality, thoroughly seasoned Northern White Pine, the glue is of the highest quality. Special stave-making machines developed by Schwerd, precisely shape, taper, and tongue and groove the staves. The chief function of the tongue and groove, although it increases the area of the surface in contact, is to aid in the exact alignment and assembly of the staves in columnar form. The result, when the staves are glued together, is a shaft which has the proper taper and entasis built-in. The finished column is equally heavy at any point in its length; the lathe turning operation removes only the roughness of the lumber.

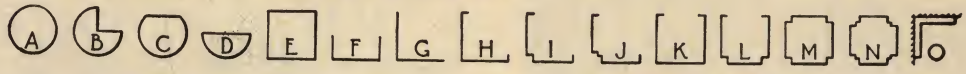
Schwerd patented clamps, compressing the shaft with 5,000 pounds pressure, force the glue into the wood and squeeze the excess out. In the subsequent operations of drying, turning, fluting, finishing, painting and shipping, the pride of craftsmanship and skilled techniques acquired by 97 years of specialized experience is applied. The resulting product is a "Schwerd Quality Column."

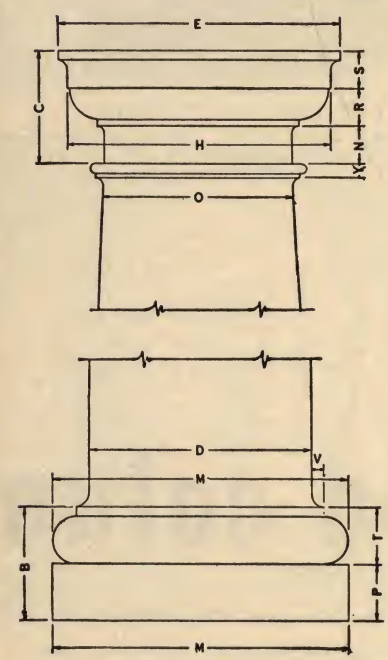
Architects specify "Schwerd Quality Columns" with complete confidence.

A. F. SCHWERD MANUFACTURING COMPANY

TUSCAN ORDER

COLUMNS—Plain, No. 100; Fluted, No. 105
PILASTERS—Plain, No. 100-F; Fluted, No. 105-F
available sections of columns and pilasters



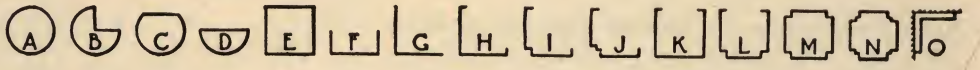


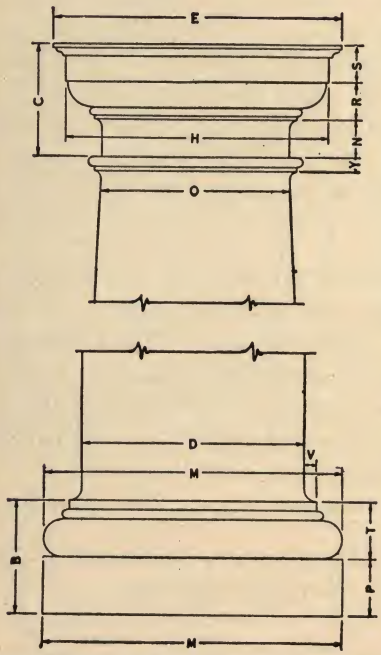
all dimensions in inches

diameter at base D	diameter at neck O	total height of cap and base C+B	total height of cap C	total height of base B	cap height square S	cap height round R	cap height round N	cap height round Y	cap breadth square E	cap breadth square H	base height square P	base height round T	base breadth round and square M	base breadth cove V
6	5	6	3	3	1	1	1	3/8	7 1/2	7	1 1/2	1 1/2	8	3/8
7	5 13/16	7	3 1/2	3 1/2	1 3/16	1 3/16	1 1/8	7/16	8 3/4	8 3/16	1 3/4	1 3/4	9 3/8	7/16
8	6 11/16	8	4	4	1 5/16	1 5/16	1 3/8	1/2	10	9 5/16	2	2	10 5/8	1/2
9	7 1/2	9	4 1/2	4 1/2	1 1/2	1 1/2	1 1/2	9/16	11 1/4	10 1/2	2 1/4	2 1/4	12	9/16
10	8 5/16	10	5	5	1 11/16	1 11/16	1 5/8	5/8	12 1/2	11 11/16	2 1/2	2 1/2	13 3/8	5/8
11	9 5/16	11	5 1/2	5 1/2	1 13/16	1 13/16	1 7/8	11/16	13 3/4	12 13/16	2 3/4	2 3/4	14 5/8	11/16
12	10	12	6	6	2	2	2	3/4	15	14	3	3	16	3/4
13	10 13/16	13	6 1/2	6 1/2	2 3/16	2 3/16	2 1/8	13/16	16 1/4	15	3 1/4	3 1/4	17 3/8	13/16
14	11 5/8	14	7	7	2 5/16	2 5/16	2 3/8	7/8	17 1/2	16 5/16	3 1/2	3 1/2	18 5/8	7/8
15	12 1/2	15	7 1/2	7 1/2	2 1/2	2 1/2	2 1/2	15/16	18 3/4	17 1/2	3 3/4	3 3/4	20	15/16
16	13 5/16	16	8	8	2 11/16	2 11/16	2 5/8	1	20	18 11/16	4	4	21 5/16	1
18	15	18	9	9	3	3	3	1 1/8	22 1/2	21	4 1/2	4 1/2	24	1 1/8
20	16 5/8	20	10	10	3 5/16	3 5/16	3 3/8	1 1/4	25	23 5/16	5	5	26 11/16	1 1/4
22	18 3/8	22	11	11	3 5/8	3 5/8	3 3/4	1 3/8	27 1/2	25 11/16	5 1/2	5 1/2	29 1/4	1 3/8
24	20	24	12	12	4	4	4	1 1/2	30	28	6	6	32	1 1/2
26	21 5/8	26	13	13	4 5/16	4 5/16	4 3/8	1 5/8	32 1/2	30 5/16	6 1/2	6 1/2	34 3/4	1 5/8
28	23 1/4	28	14	14	4 5/8	4 5/8	4 3/4	1 3/4	35	32 11/16	7	7	37 5/16	1 3/4
30	25	30	15	15	5	5	5	1 7/8	37 1/2	35	7 1/2	7 1/2	40	1 7/8
32	26 5/8	32	16	16	5 5/16	5 5/16	5 3/8	2	40	37 5/16	8	8	42 3/4	2
34	28 5/16	34	17	17	5 5/8	5 5/8	5 3/4	2 1/8	42 1/2	39 11/16	8 1/2	8 1/2	45 5/16	2 1/8
36	30	36	18	18	6	6	6	2 1/4	45	42	9	9	48	2 1/4

ROMAN DORIC ORDER

COLUMNS—Plain, No. 110; Fluted, No. 115
PILASTERS—Plain, No. 110-F; Fluted, No. 115-F
available sections of columns and pilasters

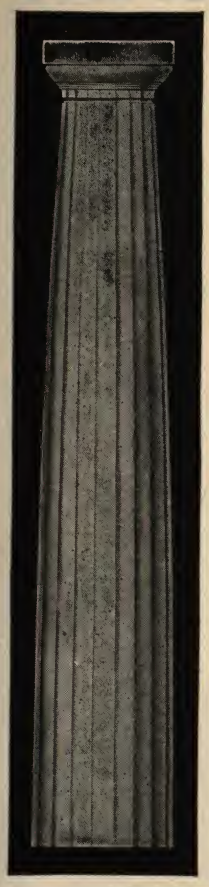




all dimensions in inches

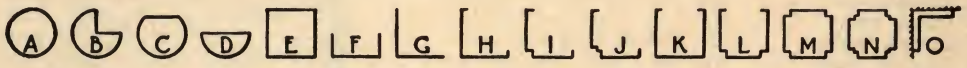
diameter at base D	diameter at neck O	total height of cap and base C+B	total height of cap C	total height of base B	cap height square S	cap height round R	cap height round N	cap height round Y	cap breadth square E	cap breadth square H	base height square P	base height round T	base breadth round and square M	base breadth cove V
6	5	6	3	3	1	1	1	3/8	7 11/16	7	1 1/2	1 1/2	8	3/8
7	5 13/16	7	3 1/2	3 1/2	1 1/8	1 1/8	1 1/4	7/16	8 7/8	8 1/16	1 3/4	1 3/4	9 3/8	7/16
8	6 11/16	8	4	4	1 5/16	1 5/16	1 3/8	1/2	10 5/16	9 5/16	2	2	10 5/8	1/2
9	7 1/2	9	4 1/2	4 1/2	1 1/2	1 1/2	1 1/2	9/16	11 1/2	10 1/2	2 1/4	2 1/4	12	9/16
10	8 5/16	10	5	5	1 5/8	1 5/8	1 3/4	5/8	12 3/4	11 9/16	2 1/2	2 1/2	13 3/8	5/8
11	9 5/16	11	5 1/2	5 1/2	1 13/16	1 13/16	1 7/8	11/16	14 1/16	12 13/16	2 3/4	2 3/4	14 5/8	11/16
12	10	12	6	6	2	2	2	3/4	15 5/16	14	3	3	16	3/4
13	10 13/16	13	6 1/2	6 1/2	2 1/8	2 1/8	2 1/4	13/16	16 9/16	15 1/16	3 1/4	3 1/4	17 3/8	13/16
14	11 5/8	14	7	7	2 5/16	2 5/16	2 3/8	7/8	17 3/4	16 1/4	3 1/2	3 1/2	18 5/8	7/8
15	12 1/2	15	7 1/2	7 1/2	2 1/2	2 1/2	2 1/2	15/16	19 1/16	17 1/2	3 3/4	3 3/4	20	15/16
16	13 5/16	16	8	8	2 5/8	2 5/8	2 3/4	1	20 3/8	18 9/16	4	4	21 1/4	1
18	15	18	9	9	3	3	3	1 1/8	23	21	4 1/2	4 1/2	24	1 1/8
20	16 5/8	20	10	10	3 5/16	3 5/16	3 3/8	1 1/4	25 1/2	23 1/4	5	5	26 3/4	1 1/4
22	18 3/8	22	11	11	3 5/8	3 5/8	3 3/4	1 3/8	28 1/16	25 5/8	5 1/2	5 1/2	29 1/4	1 3/8
24	20	24	12	12	4	4	4	1 1/2	30 5/8	28	6	6	32	1 1/2
26	21 5/8	26	13	13	4 5/16	4 5/16	4 3/8	1 5/8	33 1/8	30 1/4	6 1/2	6 1/2	34 3/4	1 5/8
28	23 1/4	28	14	14	4 5/8	4 5/8	4 3/4	1 3/4	35 1/2	32 1/2	7	7	37 1/4	1 3/4
30	25	30	15	15	5	5	5	1 7/8	38 1/4	35	7 1/2	7 1/2	40	1 7/8
32	26 5/8	32	16	16	5 5/16	5 5/16	5 3/8	2	40 3/4	37 1/4	8	8	42 1/2	2
34	28 5/16	34	17	17	5 5/8	5 5/8	5 3/4	2 1/8	43 7/16	39 9/16	8 1/2	8 1/2	45 1/4	2 1/8
36	30	36	18	18	6	6	6	2 1/4	46	42	9	9	48	2 1/4

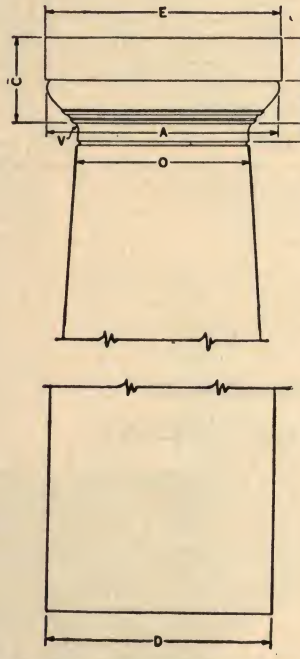
GREEK DORIC ORDER



COLUMNS—Plain, No. 120; Fluted, No. 125
PILASTERS—Plain, No. 120-F; Fluted, No. 125-F
available sections in columns and pilasters

5c / 5c



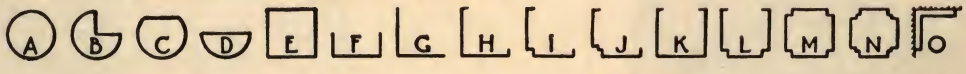


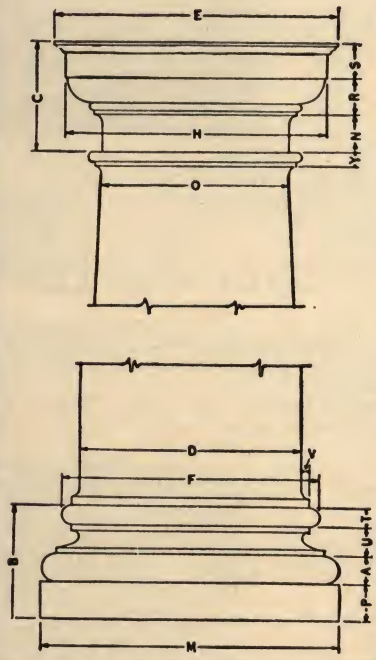
all dimensions in inches

diameter at		cap						
		height				breadth		
base D	neck O	total C	square S	round R	round N	square E	round A	cove V
6	4½	2¼	1⅛	1⅛	½	6⅜	6¼	3/16
7	5¼	2⅝	1 5/16	1 5/16	5/8	7⅜	7¼	¼
8	6	3	1½	1½	¾	8⅜	8¼	5/16
9	6¾	3⅜	1 11/16	1 11/16	13/16	9⅜	9¼	3/8
10	7½	3¾	1⅞	1⅞	⅞	10½	10⅜	3/8
11	8¼	4⅛	2 1/16	2 1/16	15/16	11½	11⅜	7/16
12	9	4½	2¼	2¼	1	12½	12⅜	7/16
13	9¾	4⅞	2 7/16	2 7/16	1⅛	13½	13⅜	½
14	10½	5¼	2⅝	2⅝	1¼	14⅝	14⅜	½
15	11¼	5⅝	2 13/16	2 13/16	1⅜	15⅝	15⅜	½
16	12	6	3	3	1½	17	16½	9/16
18	13½	6¾	3⅜	3⅜	1⅝	18⅞	18⅝	5/8
20	15	7½	3¾	3¾	1¾	20⅞	20⅝	11/16
22	16½	8¼	4⅛	4⅛	1⅞	23	22¾	¾
24	18	9	4½	4½	2	25	24¾	13/16
26	19½	9¾	4⅞	4⅞	2¼	27	26¾	⅞
28	21	10½	5¼	5¼	2½	29¼	28⅞	15/16
30	22½	11¼	5⅝	5⅝	2¾	31¼	30¾	1
32	24	12	6	6	3	34	33	1⅛
34	25½	12¾	6⅜	6⅜	3⅛	35⅝	34⅛	1¼
36	27	13½	6¾	6¾	3¼	37¾	37⅛	1⅜

DORIC CAP AND ATTIC BASE

COLUMNS—Plain, No. 130; Fluted, No. 135
PILASTERS—Plain, No. 130-F; Fluted, No. 135-F
available sections in columns and pilasters





all dimensions in inches

diameter at		total height of			cap						base						
					height				breadth		height				breadth		
base D	neck O	cap+base C+B	cap C	base B	square S	round R	round N	round V	square E	square H	square base P	bottom round A	middle round U	top round T	top round F	bottom round and square M	cove V
6	5	6	3	3	1	1	1	3/8	7 11/16	7	15/16	3/4	13/16	1/2	7	8	3/16
7	5 13/16	7	3½	3½	1⅛	1⅛	1¼	7/16	8⅞	8 1/16	1 1/16	⅞	1 5/16	9/16	8¼	9⅜	¼
8	6 11/16	8	4	4	1 5/16	1 5/16	1⅜	½	10⅜16	9 5/16	1¼	1	1⅛	5/8	9⅜	10⅝	¼
9	7½	9	4½	4½	1½	1½	1½	9/16	11½	10½	1⅜	1⅛	1¼	¾	10 9/16	12	¼
10	8 5/16	10	5	5	1⅝	1⅝	1¾	5/8	12¾	11 9/16	1⅝	1¼	1⅜	¾	11¾	13⅜	3/8
11	9 3/16	11	5½	5½	1 13/16	1 13/16	1⅞	11/16	14 1/16	12 13/16	1¾	1⅜	1⅜	1	13½	14⅝	3/8
12	10	12	6	6	2	2	2	¾	15⅝	14	1⅞	1½	1⅝	1	14	16	3/8
13	10 13/16	13	6½	6½	2⅛	2⅛	2¼	13/16	16 9/16	15 1/16	2	1⅝	1 13/16	1 1/16	15¼	17⅜	½
14	11⅝	14	7	7	2 5/16	2 5/16	2⅜	⅞	17¾	16¼	2⅛	1¾	2	1⅛	16½	18⅝	½
15	12½	15	7½	7½	2½	2½	2½	15/16	19⅛	17½	2¼	1⅞	2⅛	1¼	17⅝	20	5/8
16	13 5/16	16	8	8	2⅝	2⅝	2¾	1	20⅜	18 9/16	2½	2	2¼	1¼	18¾	21¼	5/8
18	15	18	9	9	3	3	3	1⅛	23	21	2¾	2¼	2½	1½	21⅛	24	¾
20	16⅝	20	10	10	3 5/16	3 5/16	3⅜	1¼	25½	23¼	3¼	2½	2¾	1½	23½	26¾	¾
22	18⅜	22	11	11	3⅝	3⅝	3¾	1⅜	28⅛	25⅝	3½	2¾	2⅞	1⅞	27	29¼	⅞
24	20	24	12	12	4	4	4	1½	30⅝	28	3¾	3	3¼	2	28	32	⅞
26	21⅝	26	13	13	4 5/16	4 5/16	4⅜	1⅝	33⅛	30¼	4	3¼	3⅝	2⅛	30½	34¾	1
28	23¼	28	14	14	4⅝	4⅝	4¾	1¾	35½	32½	4¼	3½	4	2¼	33	37¼	1
30	25	30	15	15	5	5	5	1⅞	38¼	35	4½	3¾	4¼	2⅜	35¼	40	1⅛
32	26⅝	32	16	16	5 5/16	5 5/16	5⅜	2	40¾	37¼	5	4	4⅝	2⅝	37½	42½	1¼
34	28 5/16	34	17	17	5⅝	5⅝	5¾	2⅛	43 1/16	39 9/16	5¼	4¼	4⅝	2⅞	40	45 1/16	1⅜
36	30	36	18	18	6	6	6	2¼	46	42	5½	4½	5	3	42	48	1½

Schwerd *quality* wood columns

composition capitals

Widely used composition capitals are durable, strong, artistic and very much cheaper than hand carving. The following stock model designs of various orders can be furnished:

No. 140 Scamozzi
No. 141 Roman Ionic
No. 142 Greek Ionic
No. 143 Roman Doric
No. 144 Modern Ionic
No. 150 Roman Corinthian
No. 151 Italian Composite
No. 152 Temple of Winds
No. 153 Modern Ionic
No. 154 Greek Erechtheum

Also facilities for special models to details.

ventilation

All columns *must* be ventilated at the top and bottom so a continuous current of air is flowing inside the columns to keep them dry.

If it is not practical to ventilate the wood plinths on the job, we can furnish ventilated wood or cast iron plinths, or lead pads. The top of the column, even if flashed, must be open to permit complete ventilation.

turned wood post P-35 and copper lantern

A quality product built to last a lifetime. Posts are made from dry, Northern White Pine (toxic treated), accurately milled, pressure glued and then turned on lathes. This construction is stronger than a solid wood post and will withstand the elements longer. All posts are 8′ high with the lower 18″ dipped in asphaltum paint to give extra moisture protection. Each post is finished with two coats of lead-zinc undercoating. Ample wiring space is provided throughout the height of the post, permitting the use of pipe, lead cable or conduit. Lanterns are made of extra heavy copper with all joints double-locked and soldered. Standard finish is dull black with clear glass panels supplied.

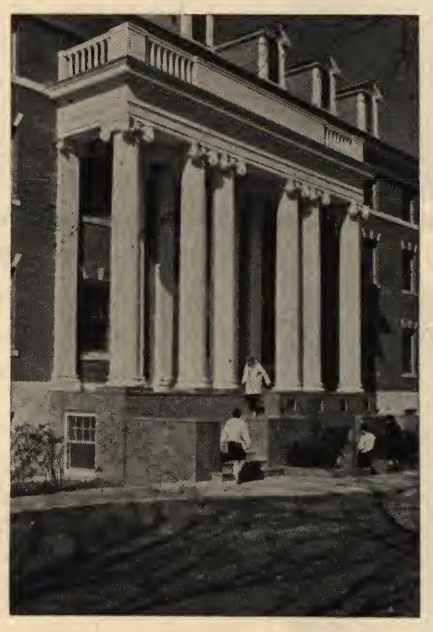
We stock 8 posts and 5 copper lanterns of different designs, and also manufacture posts and lanterns to Architect's details.

services to architects

Our years of experience, in cooperation with architects, have produced a superior, complete line of standard columns and pilasters. If the architect wishes to use his own design, we can furnish facilities for production and welcome an opportunity to cooperate in any way.

Schwerd columns—a few installations 1955-56

◀ First Baptist Church, Elkin, N. C., 4 detail 30″x20′. *Loewenstein-Atkinson Assoc., Greensboro, N. C., J. M. Franklin, Elkin, N. C., Hardie C. Bass, Jr., Nashville, Tenn., Archts.*



▶ Green Mountain Junior College, Moses Hall, Poultney, Vt., 6 detail 28″ x 21′. *Helmer & Cole, Archts., Woodstock, Vt.*

Trinity Methodist Church, Kannapolis, N. C., 4 detail 28″ x 20′, *Linthicum & Linthicum, Architects, deceased, Albert C. Woodroof, Architect, Greensboro, N. C., continuing Architect.*

First Baptist Church, Cedartown, Ga., 6 detail 24″ x 20′, *Bothwell & Nash, Architects, Marietta, Georgia.*

First Lutheran Church, Holyoke, Mass., 4 detail 36″ x 22′, *Bessell & Matz, Architects, New York, N. Y.*

Hanover College Chapel, Hanover, Indiana, 4 detail 28″ x 15′, *Charles M. Brown, Architect, Indianapolis, Ind.*

First Presbyterian Church, Harriman, Tenn., 6 detail 30″ x 15′, *Barber & McMurry, Architects, Knoxville, Tenn.*

St. Philip The Apostle Church, Saddle Brook, N. J., 4 detail 24″ x 23′, *William Neumann & Sons, Architects, Jersey City, N. J.*

First Unitarian Church, Shaker Heights, Ohio, 4 detail 26″ x 20′, *Small, Smith & Reeb, Architects, Cleveland, Ohio.*

Greensboro College, Hannah Brown Finch Memorial Chapel, Greensboro, N. C., 6 detail 30″ x 15′. *J. Burton Wilder, Architect, Greensboro, N. C.*

University of Maryland, Laboratory & Research Bldg., Asphaltum Institute, College Park, Md., 4 detail 28″ x 20′. *Ted Englehardt, Architect, Silver Spring, Md.*

St. Aloysius Church, Springfield, Illinois, 4 detail 24″ x 24′, *Hadley & Worthington, Architects, Springfield, Ill.*

Smith College, Chapel, Northampton, Mass., 4 detail 30″ x 25′. *William & Goeffrey Platt, Architects, New York, N. Y.*

Wake-Forest College, University Center, Reynolda, N. C., 6 detail 32″ x 23′. 6 detail 28″ x 19′. *Jens F. Larson, Architect, Reynolda, N. C.*

First Presbyterian Church, Moorestown, N. J., 4 detail 27″ x 20′, 2 detail 21″ x 14′. *G. Edwin Braumbaugh, Architect, Gwynedd Valley, Pa.*

A. F. SCHWERD MANUFACTURING COMPANY

3215 McClure Avenue • Pittsburgh 12, Pennsylvania

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